



SECTION S-S  
ALTERNATE TUBE WELDED SPLICE

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

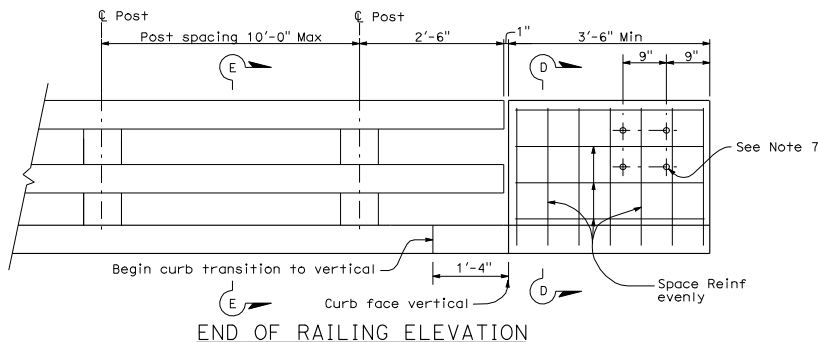
  
 REGISTERED CIVIL ENGINEER

May 1, 2006  
 PLANS APPROVAL DATE

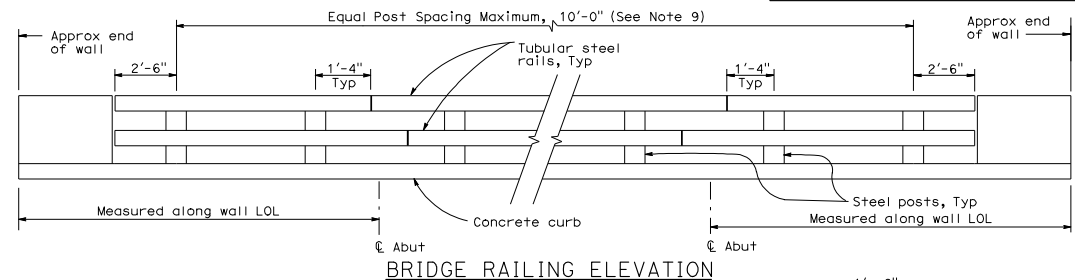
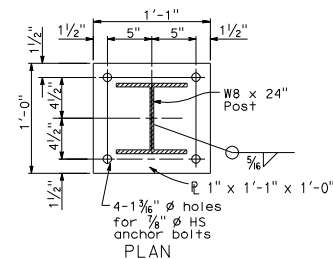
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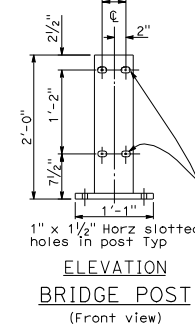
To get to the Caltrans web site, go to: <https://www.dsd.ca.gov>



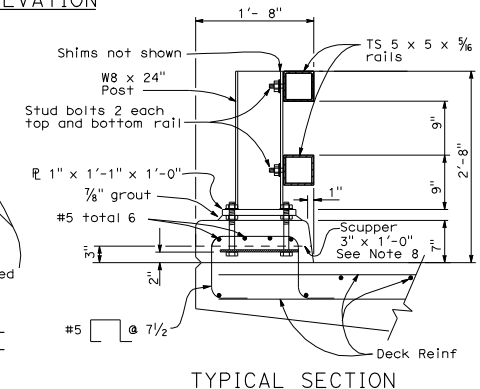
END OF RAILING ELEVATION

BRIDGE RAILING ELEVATION

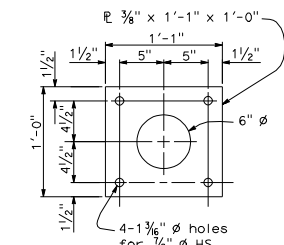
POST BASE PLATE PLAN



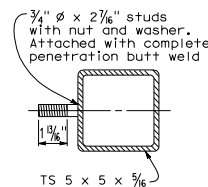
ELEVATION  
BRIDGE POST  
(Front view)



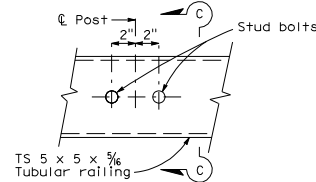
TYPICAL SECTION



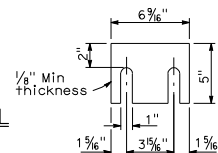
SECTION B-B



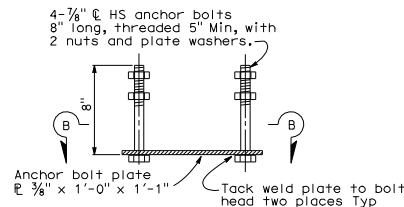
SECTION C-C



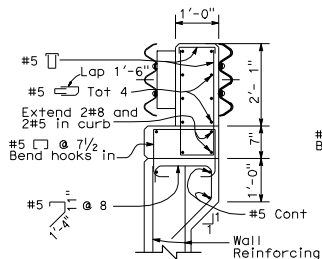
STUD BOLT LOCATION DETAIL  
(Backside view of railing)



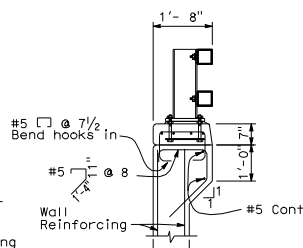
### RAILING SHIM DETAIL



## POST ANCHOR BOLT DETAILS



SECTION D-D



SECTION E-E  
On Wingwall

GENERAL NOTES:

1. All structural steel shall be galvanized after fabrication.
  2. Post shall be normal to railing.
  3. Tubing shall be bent or fabricated to fit horizontal curve when radius is less than 895'.
  4. All exposed corners shall be ground smooth.
  5. Tubing shall be continuous over not less than 3 intermediate posts.
  6. Expansion joints in rail tubes shall match deck expansion joints.
  7. For typical metal railing connection details not shown, see Standard Plans A77J1 and A77J2.
  8. If required, place scuppers midway between rail posts near centerline spans. Adjust reinforcing spacing to clear openings.
  9. Post spacing and/or end block length to be adjusted to fit bridge length or approach slab.
- STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**CALIFORNIA ST-30  
BRIDGE RAIL**

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**CALIFORNIA ST-30  
BRIDGE RAIL**

NO SCALE

**B11-65**